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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/657,794

09/05/2003

Robert A. Hansen

5772

1575

44341

7590

09/09/2004

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EXAMINER

KLAUS, LISA NHUNG

ART UNIT

PAPER NUMBER

2832

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/657,794

Applicant(s)

HANSEN, ROBERT A.

Examiner

Lisa N. Klaus

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 and 30-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 10-26 is/are allowed.
- 6) ☒ Claim(s) 1-9 and 30-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Drawings

1. The drawings are objected to because there are two element numbers 30a in figure 2. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, in claim 1, "a terminal holder latch"; in claim 30, "a first frictional member and a second frictional member" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Specification

3. The disclosure is objected to because of the following informalities:

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because:

A- Page 4, line 9, and page 9, line 3, the reference character "12c" has been used to designate both "a fastener" and "connection".

B- Page 5, lines 13-18, the reference character "60a" has been used to designate both "first peripheral region" and "the readable message".

C- Pages 7, line 16 and page 8, line 1, the reference character "30a" has been used to designate both "chamber" and "cover".

D- Page 8, lines 4 and 6, the reference character "55" has been used to designate both "the cam" and "the cam lobe".

E- Page 8, lines 16 and 17, the reference characters "20" and "30" have both been used to designate "terminal block holder".

F- page 9, lines 1 and 3, the reference character "15" has been used to designate both "interface device" and "transducer".

Appropriate correction is required.

Claim Objections

4. Claims 20 and 32 are objected to because of the following informalities:

Regarding claim 3, "a cover" should be changed to –the cover--.

Regarding claim 15, the claim is not complete.

Regarding claim 18, "indicter" should be changed to –indicator--.

Regarding claim 20, line 7, "indictor" should be changed to –indicator--.

Regarding claim 32, line 2, "finer" should be changed to –finger--.

Claims 27-29 are missing.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-9 and 30-32 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding claim 1, "terminal holder latch" lacks written description.

Regarding claim 30, "a first frictional member and a second frictional member" lack written description.

Allowable Subject Matter

6. Claims 1-9 and 30-32 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

7. Claims 10-26 are allowable.

The following is an examiner's statement of reasons for allowance:

The Prior Art does not teach or suggest the limit switch comprising a cam removable secured to the cam shaft by the cam latch, the interface device removably supported by the housing; the terminal holder latch releasably securing the electrical terminal block to the terminal holder; the switch holder secured in the housing, the switch holder having a switch holder latch thereon, the switch holder latch releasably securing the switch in the switch holder to facilitate replacement thereof; the indicator connected to the cam shaft to provide a status

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indication in response to a rotation of the cam shaft with at least one of the cam shaft or the indicator field replaceable; the switch holder carrying replaceable electrical switches and the terminal block holder carrying a replaceable terminal block.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

8. Any inquiry concerning this communication should be directed to Lisa Nhung Klaus whose telephone number is (703)305-0422, and whose fax number is 703-308-7722. In the event that I am not reached, you can contact my supervisor, Mr. Elvin G. Enad at (703) 308-7619 or the tech center receptionist at (703)308-1782.

Lisa Nhung Klaus

Patent Examiner - Art Unit 2832

September 3, 2004


ELVIN ENAD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

9/7/04